

## Claims

- [1] 1. A purified grape seed extract prepared by the steps consisting of: extracting grape seed with alkaline distilled water to obtain alkaline soluble substance; neutralizing with acidic solution, centrifuging to obtain precipitated layer; suspending the precipitate with alcohol, centrifuging to obtain supernatant layer; concentrating the supernatant, adding non-polar solvent, removing non-polar solvent soluble layer to obtain purified fraction; subjecting to repeated purification and lyophilization to obtain dried grape seed extract of the present invention showing potent neuronal cell protective activity.
- [2] 2. A pharmaceutical composition comprising the grape seed extract as an active ingredient for the treatment and prevention of degenerative brain disease.
- [3] 3. The pharmaceutical composition according to claim 2 wherein said extract is extracted with the solvent selected from the group consisting of water, lower alcohol and the mixture thereof.
- [4] 4. The pharmaceutical composition according to claim 2 wherein said extract is prepared by the process as set forth in claim 1.
- [5] 5. The pharmaceutical composition according to any of claim 1 to 4 wherein said degenerative brain disease comprises stroke, cerebral concussion, Huntington's disease, Creutzfeld-Jakob disease, Alzheimer's disease (AD), Parkinson's disease (PD), senile dementia.
- [6] 6. A health food comprising grape seed extract together with a sitologically acceptable additive for the prevention and improvement of degenerative brain disease.